

Speaking Points

- Brief History
- Overview of Process
- Standards Overview
- Next Steps
- Website Resources
- Assessment
- Questions

developed by Peg Henson/SDDOE

Why Standards?

■ NCLB –Title II-D, Part 2 (formula/competitive)

(IOTTIQIA/COTTIPETITIVE)
The primary goal of the Ed Tech program is to improve student academic achievement through the use of technology in elementary and secondary schools. It is also designed to assist every student – regardless of race, ethnicity, income, geographical location, or disability – in becoming technologically literate by the end of eighth grade, and to encourage the effective integration of technology resources and systems with professional development and curriculum development to promote research-based instructional methods that can be widely replicated.

developed by Peg Henson/SDD

Why Standards?

■ NCLB -Title II-D, Part 2

Title II. Part D -- Enhanced Education Through Technology Goals:

1. Improve student academic achievement through the use of technology in elementary schools and secondary schools.

- To assist every student in crossing the digital divide by ensuring that every student is technologically literate by the time the student finishes the eighth grade, regardless of the student's race, ethnicity, gender, family income, geographic location, or disability.
- To encourage the effective integration of technology resources and systems with teacher training and curriculum development to establish research-based instructional methods that can be widely implemented as best practices by State educational agencies and local educational agencies.

developed by Pen Henson/SDDOF

Standards Process Overview

- Followed the same process as core content standards development
- Developed 06-07
- 40 Educators
 - Grade level groupings
 - K-2
 - **3**-5
 - 6-8
 - 9-12

eveloped by Peg Henson/SDDC

Standards Process Overview

- Developed Strands (5) Big ideas
- Developed Indicators for each strand
 -essential understandings that will deepen k-12
- Created standards at each grade level
- Vertical aligned
 - K-12
- Board Approved July 2007

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5 Strands (Big Ideas)

- Strands (click on title to go directly to the page of indicators)
 - Nature, Concepts and Systems of **Technology**
 - Social Interactions in Information & **Communication Technology**
 - Information & Communication **Technology Tools**
 - Information & Communication **Technology Processes**
 - Information Literacy

lick here to advance

Strand #1 - Nature, Concepts and Systems (systems thinking, interactions, and design)

- <u>Indicator 1</u>: Students understand the history and progression of technology in relation to the development and design of future technology.
- Indicator 2: Students analyze the parts of a technological system in terms of input, process, output, and feedback.
- Indicator 3: Students analyze the relationships and the connections between technologies in different fields of study and how they apply to communities.
- Indicator 4: Students understand the purpose and demonstrate the use of the design process in problem solving.

(return)

Strand #2 - Social Interactions in **Information & Communication Technology**

- Indicator 1: Students understand the safe, ethical, legal, and societal issues related to technology.
- Indicator 2: Students investigate the advantages and disadvantages of technology.



Strand #3 - Information & Communication Technology Tools

- Indicator 1: Students recognize and demonstrate skills in operating technological systems.
- <u>Indicator 2:</u> Students use technology to enhance learning, extend capability, and promote creativity.
- Indicator 3: Students evaluate and select information tools based on the appropriateness to specific tasks



developed by Rea Hences (EDDO)

Strand #4 - Information & Communication Technology Processes

- Indicator 1: Students understand the purpose of information technologies to communicate with a variety of collaborators.
- Indicator 2: Students exchange information and ideas for an identified purpose through Information Technologies.



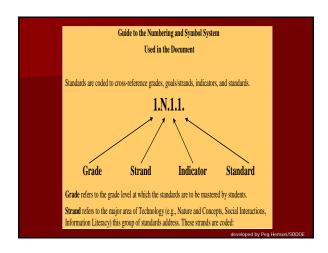
eveloped by Pea Henson/SDDOE

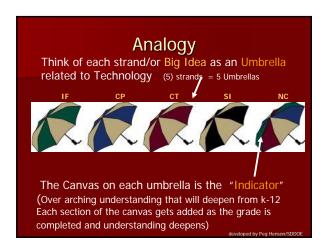
Strand #5 - Information Literacy

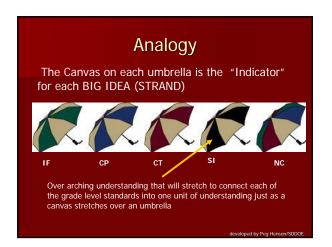
- Indicator 1: Students use technology to locate and acquire information.
- <u>Indicator 2</u>: Students determine the reliability and relevancy of Information

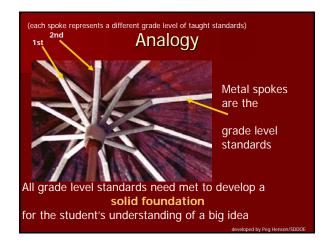


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Next Steps

- Pilot sites have been selected to implement the standards during 07-08 school year.
- A pretest was given in the fall 07 to 8th graders at the pilot sites
- Standards will be implemented 07-08 school year in pilot schools
- Post Assessment test will be given to 8th grade in pilot schools spring 08

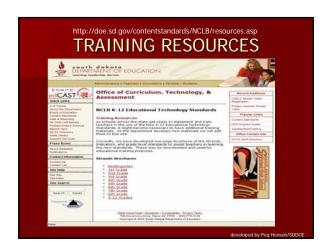
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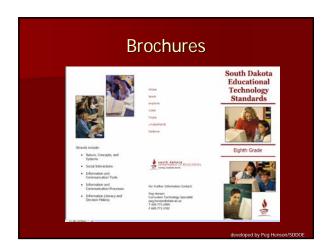
Next Steps

- 08-09 All schools will implement standards
- Spring 09 Assessment will be given to all public 8th Grade Students
- Revision Cycle of Standards is expected to follow the same cycle as the core standards (7 years)

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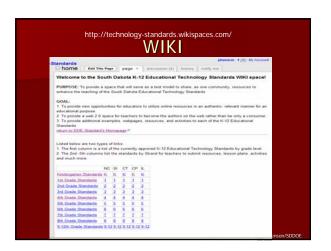














Assessment Timeline Overview

- - Pilot implementation/Assessment

 - Roll out workshopsBeginning implementation by public districts
- - All public schools will implement standardsPrivates are optional but encouraged
- Spring 09
 - Assessment will be given to all public 8th Grade Students

Sample Assessment

- Learning.com
 - Reliable, validity tested-criterion based assessment
 - Used in many states
 - Sample test activity
 - http://www.learning.com/tla/20itemsample/fall06/
 - http://www.learning.com/tla/20itemsample/fall06/mid dle/
 - 24/T-1 Kilobit/sec/user ex 64kb/user (stagger entry) -edperformance

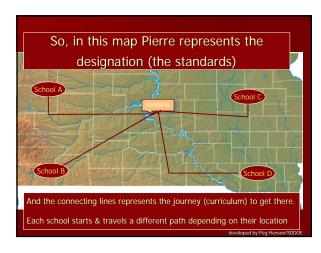
Notes:

The wiki and blog pages can be opened by a network administrator specifically without opening the parent domain fully. See website for instructions

The standards are designed for what students should know and be able to do. It is the districts decision as to how to get there see analogy next slide.

dovoloped by Boa Honoon/EDDOI





Questions	-
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